

Storm Data and Unusual Weather Phenomena - May 2013

| Location | Date/Time | Deaths & Injuries | Property & Crop Dmg | Event Type and Details |
|---|--------------------|-------------------|---------------------|------------------------------|
| KENTUCKY, Central | | | | |
| BUTLER COUNTY --- ROCHESTER [37.22, -86.90], 0.5 WSW ROCHESTER [37.22, -86.91], 0.8 SSE ROCHESTER [37.21, -86.90], 0.3 ESE ROCHESTER [37.22, -86.89] | | | | |
| | 05/01/13 00:01 CST | 0 | | Flood (due to Heavy Rain) |
| | 05/02/13 06:00 CST | 0 | | Source: River/Stream Gage |
| Heavy rains on April 27 brought minor flooding to the Green River at Rochester on May 1st. Just after midnight on May 1st, the river was already in flood, having exceeded its flood stage of 17 feet during the early morning hours on April 30th. It crested at 17.8 feet around noon on May 1st, falling below flood stage by 6 am on May 2nd. | | | | |
| Heavy rains during the evening on April 27th brought widespread 2 to 3 inch rains. The Green River at Rochester Ferry flooded several day later. | | | | |
| BUTLER COUNTY --- 0.9 ENE WOODBURY [37.19, -86.64], 1.3 ENE WOODBURY [37.19, -86.63], 1.4 E WOODBURY [37.18, -86.62], 0.8 E WOODBURY [37.18, -86.64] | | | | |
| | 05/06/13 11:00 CST | 0 | | Flood (due to Heavy Rain) |
| | 05/08/13 19:00 CST | 0 | | Source: River/Stream Gage |
| Heavy rain over a two day period ending on May 5th brought minor flooding to the Green River at Woodbury. Flood state at Woodbury is 33 feet. The Green River crested at 34.8 feet shortly before noon on May 7th. | | | | |
| BUTLER COUNTY --- ROCHESTER [37.22, -86.90], 0.7 SSE ROCHESTER [37.21, -86.90], 0.8 ESE ROCHESTER [37.21, -86.89], 0.4 E ROCHESTER [37.22, -86.89] | | | | |
| | 05/07/13 23:55 CST | 0 | | Flood (due to Heavy Rain) |
| | 05/09/13 13:00 CST | 0 | | Source: River/Stream Gage |
| Heavy rains from May 4th to May 5th lead to some minor flooding on the Green River at Rochester Ferry several days later. Flood stage at Rochester is 17 feet. The river crested at 17.7 feet during the early morning hours on the 5th of May. | | | | |
| An unusual cut-off low developed over Arkansas on Saturday, May 4th. The very slow movement of this feature across Tennessee allowed persistent rain to fall over a two day period from May 4th to May 5th. All of central Kentucky received over 2 inches of rain over this time span, with several counties such as Taylor, LaRue, Warren, and Adair, totaling over 3 inches. Minor flooding developed on the Green River several days later. | | | | |
| LARUE COUNTY --- 0.6 E HODGENVILLE [37.57, -85.74] | | | | |
| | 05/19/13 15:40 EST | 0 | | Hail (1.00 in) |
| | 05/19/13 15:40 EST | 0 | | Source: NWS Employee |
| A National Weather service employee reported one inch hail in Hodgenville. A spotter also reported hail at around this same time 2 miles northwest of Hodgenville. | | | | |
| LARUE COUNTY --- 0.6 E HODGENVILLE [37.57, -85.74] | | | | |
| | 05/19/13 15:45 EST | 0 | | Hail (1.75 in) |
| | 05/19/13 15:45 EST | 0 | | Source: Trained Spotter |
| A spotter reported golf-ball sized hail in Hodgenville. | | | | |
| GARRARD COUNTY --- LANCASTER [37.62, -84.58] | | | | |
| | 05/19/13 16:52 EST | 0 | | Hail (1.00 in) |
| | 05/19/13 16:52 EST | 0 | | Source: Broadcast Media |
| Local broadcast media relayed a report of one inch hail in Lancaster. | | | | |
| Unstable conditions combined with a weak disturbance dropping southward across the Lower Ohio Valley brought scattered thunderstorms to central and eastern Kentucky during the afternoon. Two storms in particular developed weak mid-level rotation and produced severe hail. | | | | |
| FAYETTE COUNTY --- 2.3 ESE LEXINGTON [38.04, -84.46] | | | | |
| | 05/21/13 16:00 EST | 0 | | Thunderstorm Wind (EG 50 kt) |
| | 05/21/13 16:00 EST | 0 | | Source: Broadcast Media |
| The Lexington media reported several trees down across the city. | | | | |

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| FAYETTE COUNTY --- 0.9 NNW EAST HICKMAN [37.93, -84.47] | | | | |
| | 05/21/13 16:10 EST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 05/21/13 16:10 EST | | 0 | Source: Trained Spotter |

A spotter relayed a report of several trees down along Tate's Creek Road south of Lexington. Scattered power outages developed around this neighborhood as well.

A weak shortwave moved across southern Kentucky on May 21st. During the early afternoon hours, a broken line of storms developed along Interstate 65 near Bowling Green. This line expanded to the north and south as it moved across central Kentucky during the mid-afternoon. By late afternoon the northern end of this line moved through Lexington and the southern Bluegrass Region. Strong instability combined with moderate winds aloft brought isolated damaging winds to central Kentucky and the Bluegrass Region.

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| BARREN COUNTY --- 1.3 SSW GLASGOW MUNI ARPT [37.01, -85.96] | | | | |
| | 05/22/13 13:57 CST | | 0 | Thunderstorm Wind (EG 52 kt) |
| | 05/22/13 13:57 CST | | 0 | Source: Law Enforcement |

Local law enforcement reported that a few trees were downed northwest of Glasgow on New Bowling Green Road.

A pre-frontal trough moved across the Lower Ohio Valley on May 22nd. Several broken lines of convection brought gusty showers to central and eastern Kentucky during the afternoon hours. One storm became severe across Barren County.